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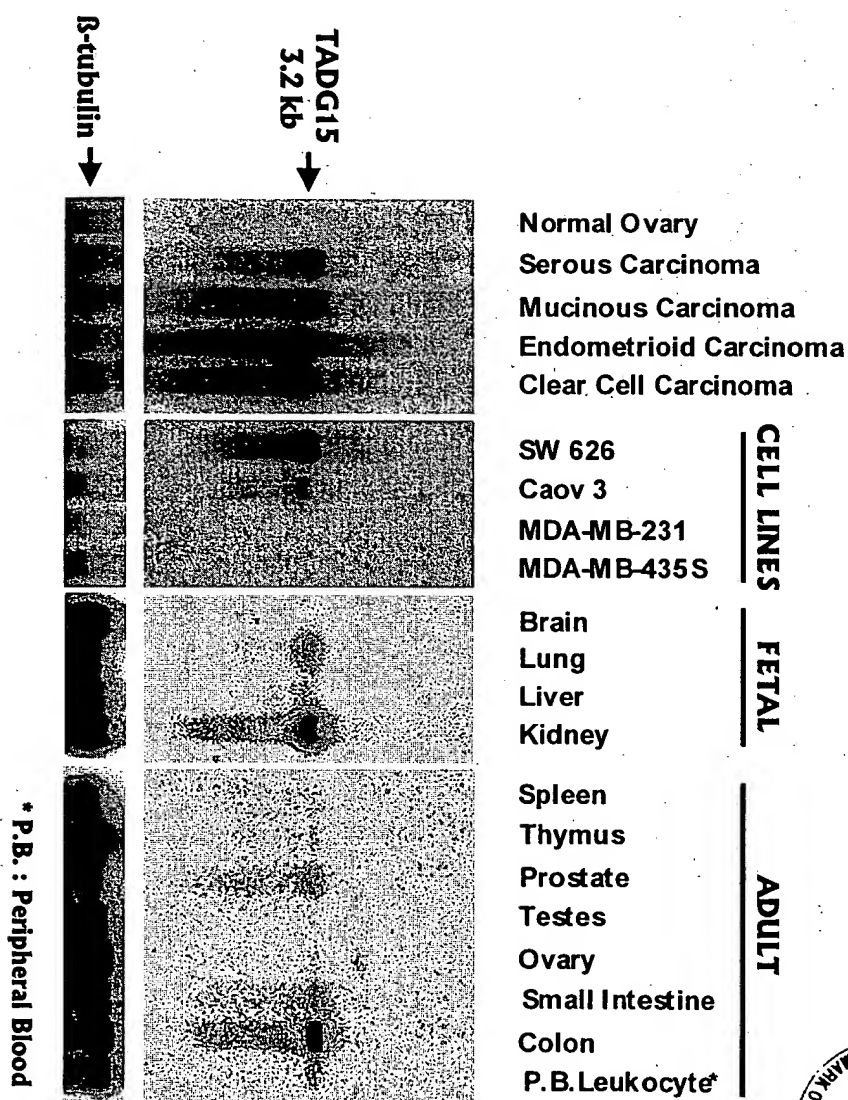


Fig. 5

APPROVED	O.G. FIG.
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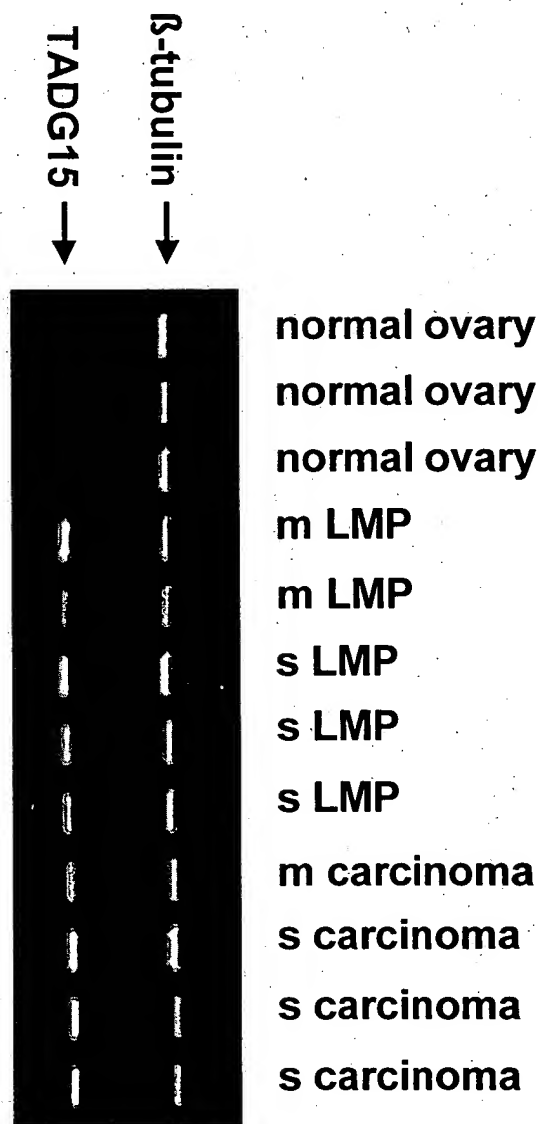


Fig. 6A

APPROVED	O.G. FIG.	
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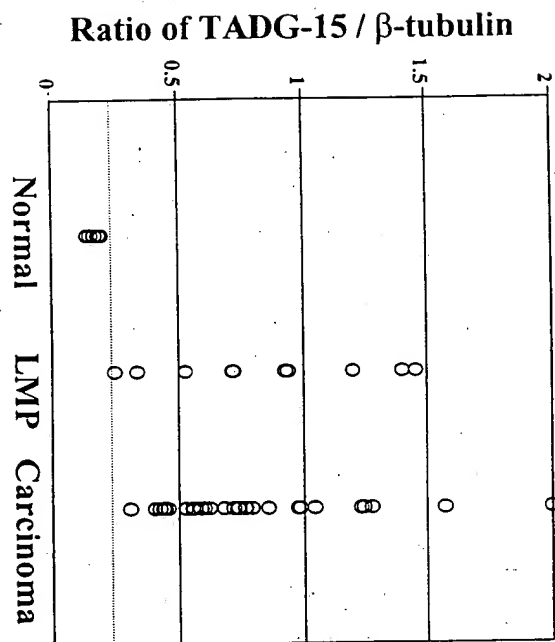


Fig. 6B

APPROVED	O.G. FIG.	RECEIVED
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Fig. 8

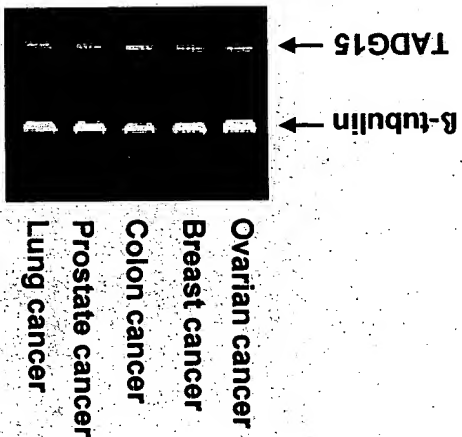
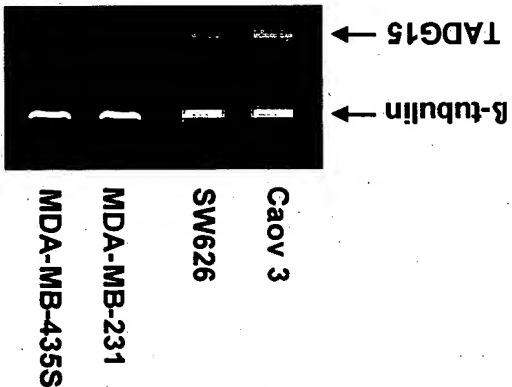


Fig. 7



APPROVED	O.G. FIG.
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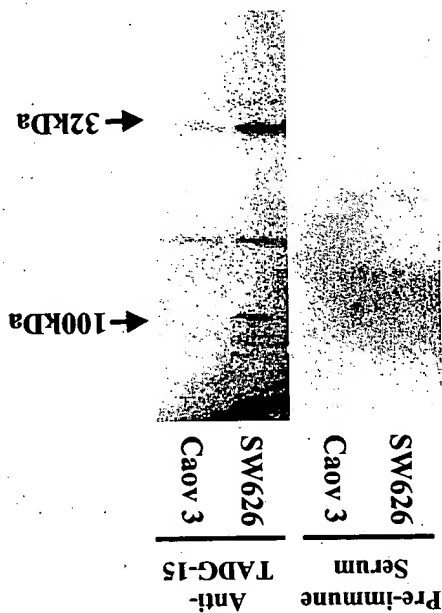


Fig. 9

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Fig. 10C

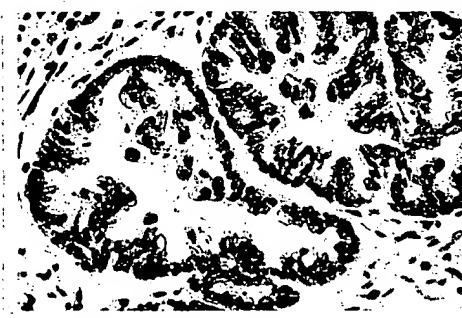


Fig. 10B

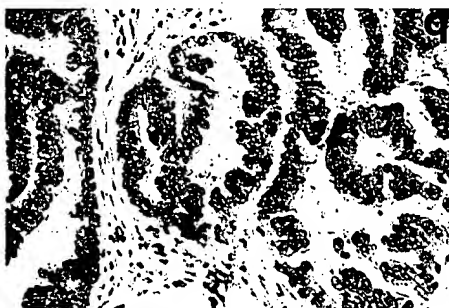


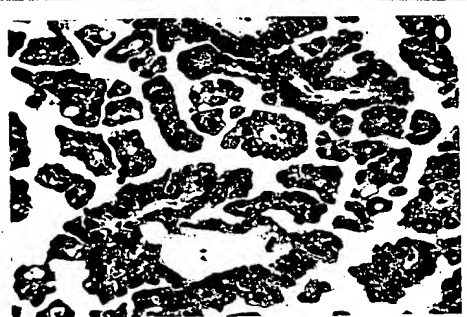
Fig. 10A



Fig. 10E



Fig. 10D



APPROVED	O.G. FIG.
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APPROVED	O.G. FIG.
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HTADG15	MGSDRARKG	GKPKDFAGL	KYNSRHEKN	GIEGVEFLP	VANNVKKVEK	50
mepithin	---N-G--A-	--SQ-----	--D-L-NM-	F-----	A--A-----R	
HTADG15	GPERWVLA	VLIGILLVLL	GIGFLVHLQ	YRDVAVQKVE	NGYMLTNN	100
mepithin	--R-----V-	--FSF--IS-	MA-L-----	EH--N-----	HL-----I	
HTADG15	FVDAYENSNS	TEFVSLSKV	KDALKLYSG	VPFLGPYHKE	SAVTAFESEGS	150
mepithin	-L-----T-	---I-----Q-	-E-----NE	--V-----K		
HTADG15	VIAYYWESES	IQEHVEEAE	RYMAEERVVM	LPBRASIKS	FVTVSVAF	200
mepithin	-----P--A--VD	-A--V--T	-----A--	-L-----		
HTADG15	TDSKTVOQTQ	DNSCSFGLHA	RGEVLMRTT	PGFPDSPYPA	HARCQWALRG	250
mepithin	I-PRML-----	---A---H-AAVT	-----N-----	-V---		
HTADG15	DADSVLSLTF	RSEDLASCODE	RGSDIVTVYN	TLSPEPHAL	VOLCGTYP	300
mepithin	-----V-P--H	-----D	S-----V	-R---FS--		
HTADG15	YNLTFHSSON	VLLITLITNT	ERRHPGEAT	FFQLPRMSSC	GGRIRKAQGT	350
mepithin	-----L-----F-V	-----G--L-----	-----K-----	--V-SDT--		
HTADG15	ENSPYYPGHR	PENIDCTWNI	EVENNOHVAV	SEKEFYILLEP	GVPAGTCPKD	400
mepithin	-S-----N-----K	-----RN---	R--L--VD-	N--V-S-T--		
HTADG15	YVEINGEKYC	GERSOEVVTS	NSNKITVRFH	SDQSYTDIGF	LAELYSDSS	450
mepithin	-----GS	-----S-	-S-----H--	-H-----	-----N	

Fig. 11A

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O.G. FIG.
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HTADG15 DPCPGQTCR TGR CIRKEIR CDGNADCTDH SDEINCSDA GHQFTCKNKE 500
MEPI THIN -----M-M-K -----P-Y ---RY-R-N- T-----Q-
HTADG15 CKPLFWCDS VANDCDNSDE QGCSCPAQTF RCSNGKCLSK SQQCNKDDC 550
MEPI THIN -----G--- E-----GS- K-----PQ --K-----N-
HTADG15 GDGSDASCP KYNVTCTCKH TYRCLNGICL SKGNPECDGK EDCSDGSDER 600
MEPI THIN -----D S---S---Y ---Q-----T-----
HTADG15 DCDGCLRSFT RQARVVGCTD ADEGEWPMQV SLHALGQGH CGASLISPM 650
MEPI THIN N-----K-----N -----L -----D-
HTADG15 LVSAHXYID DRGRYSDEPT QWTAFLGLHD QSORAPGVQ ERLKRIISH 700
MEPI THIN -----FQ- -KN-K---Y- M-----L- --K---S--- -LK-----T-
HTADG15 PFNDFTFDY DIALLEIEKP AEYSSMVRPI CLPDASHVFP AGKAIWVTGM 750
MEPI THIN -S-----S V---TV-----T-----
HTADG15 GHTQYGTGA LILQKEIRV INQTCENIL PQQITPRMVC VGFLSGVDS 800
MEPI THIN ---KE-----D-M-----
HTADG15 CQGDSSGPLS SVEADGRIFQ AGVSWGDC AQRNKEGVYT RLEPFRDWTX 850
MEPI THIN -----A-K--M-- -----E-- -----CSSGLDQ
HTADG15 ENTGV* 900
MEPI THIN RAHWGIAAWT DSRPQTPTEGM PDMHTWIGER NTDDIYAVAS PQHNPDCEL
HTADG15 SEQ ID NO: 2
MEPI THIN HP SEQ ID NO: 10 902

Fig. 11B

APPROVED	O.G. FIG.
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TADG15: TCAAGAGCGCCCTCGGGGTAACATGGGAGAGCATCGGCCCGCAAGGGCGAGGGGGCCGAAGAGACTTCGGCGCGGGACT 81

SNC19:

82 CAAGTACAACCTCCGGCAGAGAAAGTAAATGGCTTGAAGAGAGCGTGAGATTCTCCAGTCAACACGTCAAGAAAGTGAAGAAAGCATGGCCGGGG

.....

182 CGCTGGGTGTGCTGGACGCCGTGCTGATCGGCCCTCTTGTGCTTGTGGGGATCGGCTTCCTGGTGTGCAATTGCAAGTACCGGGACGTGCTGTC 281

1 CGCTGGGTGTGCTGGACGCCGTGCTGATCGGCCCTCTTGTGCTTGTGGGGATCGGCTTCCTGGTGTGCAATTGCAAGTACCGGGACGTGCTGTC 100

282 AGAAGCTCTCAATGCTACATGAGATCACAATGAGAAATTTTGTGATGCTTACAGAACTCCAACTCAGTTTGTAAAGCTTGCCAGCAAGT 381

101 AGAAGCTCTCAATGCTACATGAGATCACAATGAGAAATTTTGTGATGCTTACAGAACTCCAACTCAGTTTGTAAAGCTTGCCAGCAAGT 200

382 GAAGAGCGCGCTGAAGCTGCTGTACAGCGAGATCCATTCTGGGCCCTTACCACAAGAGTGGCTGTGACGGCTTTCAGCGAGGGCAGCGTCATCGCC 481

201 GAAGAGCGCGCTGAAGCTGCTGTACAGCGAGATCCATTCTGGGCCCTTACCACAAGAGTGGCTGTGACGGCTTTCAGCGAGGGCAGCGTCATCGCC 300

482 TACTACTGCTGTGATTGACATGCCAGACCTGTGTGAGAGAGCCGAGCGCGCTCATGCGCGAGAGCGCGCTGATGCTGCCCCCGGGCGCGCT 581

301 TACTACTGCTGTGATTGACATGCCAGACCTGTGTGAGAGAGCCGAGCGCGCTCATGCGCGAGAGCGCGCTGATGCTGCCCCCGGGCGCGCT 399

582 CCCTGAAGTCTTGTGTGATCACTCACTGATGATGAGCTTTCACGAGACTCCAAAACAGTACAGACCAAGAGTCAAGTTCAGCTTGTGCTGACGC 681

400 CCCTGAAGTCTTGTGTGATCACTCACTGATGATGAGCTTTCACGAGACTCCAAAACAGTACAGAGACCAAGAGTCAAGTTCAGCTTGTGCTGACGC 498

Fig. 12A

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Fig. 12B



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1375 CCCATGCCGGGGGAGTTTCAGTGCCTCCGACGGGGGGTGTATCCGGAAGAGACTGCGCTGTGATGGCTGGGGCCGACTGCACCGGACCAAGGATAGCTC 1474
|||||
1182 CCCATGCCGGGGGAGTTTCAGTGCCTCCGACGGGGGGTGTATCCGGAAGAGACTGCGCTGTGATGGCTGGGG .CGACTGCACCGGACCAAGGATAGCTC 1290
|||||
1475 AACTGCAGTTGCCAGCGCCGCCACCACTTACAGTGCACAAAGATTCTGCAAGCCCTCTCTGGGTGCGACAGTGTGAACGACTGCGGAGACACA 1574
|||||
1281 AACTGCAGTTGCCAGCGCCGCCACCACTTACAGTGCACAAAGATTCTGCAAG . .CTCTTCTGGGTCTGCGACAGTGTGAACGACTGCGGAGACACA 1377
|||||
1575 GCGACGAGCAGGGGTGCAAGTTGCCG .CCGACCTTCAAGTGTCCCAATGGGAAGTCCCTCTCGAAAAGCCAGCAGTGAATGGGAAGGACGACTGTG 1673
|||||
1378 GCGACGAGCAGGGGTGCAATTTGTCCGACCCAGACTTCAAGTGTCCCAATGGGAAGTCCCTCTCGAAAAGCCAGCAGTGTGAATGGGAAGGACGACTGTG 1477
|||||
1674 GGGACGGGTCCGACGAGGCTCTCTGCCCAAGTGAACGTGTCACTTGTACCAACACACACTTACCCTCAATGGGCTCTGCTTGAAGCAAGGGCAA 1773
|||||
1478 GGGACGGGTCCGACGAGGCTCTCTGCCCAAGTGAACGTGTCACTTGTACCAACACACACTTACCCTCAATGGGCTCTGCTTGAAGCAAGGGCAA 1577
|||||
1774 CCTGAGTGTGACGGGAAGAGACTGTAGCGGCTCAGATGAGAAGAGACTGCGACTGTGGGCTGCGGCTCATTCACGAGACAGGCTCGTGTGTGGG 1873
|||||
1578 CCTGAGTGTGACGGGAAGAGACTGTAGCGGCTCAGATGAGAAGAGACTGTGGGCTGCGGCTCATTCACGAGACAGGCTCGTGTGTGGG 1677
|||||
1874 GGCACGGATGCGGATGAGGGGCGAGTGCCTTGCAGAGTAAGCTGTGATGCTGTGGGCCAGAGGCCACATGTGGGTCTTCCATCTCTCCAACTGGC 1973
|||||
1678 GGCACGGATGCGGATGAGGGGCGAGTGCCTTGCAGAGTAAGCTGTGATGCTGTGGGCCAGAGGCCACATGTGGGTCTTCCATCTCTCCAACTGGC 1777
|||||
1974 TGGTCTCTGCGCACACTGTACATGATGACAGAGATTCAAGTACTAGACCCCAAGCAGTGAAGGGCTTCTGGGCTTGCACGACAGCCAGCG 2073
|||||
1778 TGGTCTCTGCGCACACTGTACATGATGACAGAGATTCAAGTACTAGACCCCAAGCAGTGAAGGGCTTCTGGGCTTGCACGACAGCCAGCG 1875
|||||

Fig. 12C

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[illegible]

Fig. 12D

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2771 AGTGAGCTGGG. GGTGAAGGGAGG. AACTGTGTTTACTGACCAACTGGGGCAAAAGTTGAAGACACACCTCCCCGCCAAGCCCAAGC 2868
|||||
2568 AGTGAGCTGGAGGGTGAAGGGAGGAACACTGTGTCTTACTGACCCAACTGGGG. CAAGTTGAAG. CACAG... CTCGGCAGCCC..AAG 2658
|||||
2869 TGGCCGAGGCGCTTGTGTATATCTGCTCCCTGTCTGTAGAGACAGCGGGAACGAGCTTCGAGCCTCCTCAGTGAAGTGTGGGCTGCCGG 2968
|||||
2659 TGGCGAGGACGCGTTGTGCAFA. CTGCC. CTGCTGTATACAGGGAAGACCTGGA.....TCTCTAGTGA.....GTGTGACTGCCGG 2735
|||||
2969 ATCTGGGCTGTGGGCCCCCTTGGGCCACGCTCTTGAAGAAAGCCGCTCGAGAGACCCCTGGAAAAACAGAGGGGTCTGAGACTGAATTTTACCAGCT 3068
|||||
2736 ATCTGG...CTGTGTCTGTGGCCACGCTCTTGAAGAAAGCCGCTCGAGAGACCCCTGGAACAGAGGGGTCTGAGACTGAATTTTACCAGCT 2832
|||||
3069 CCCAGGGTGAATTCAGTGTGTGTATTTGTGTAAATGGGTAAACATTTATTTTAAAAA 3147 (SEQ ID NO: 1)
|||||
2833 CCCAGG..TGACTTCAGTGTGTGA..TTGTAAATGAGTAAAAACATTTTATTTTAAAAA..... 2900 (SEQ ID NO: 9)

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Fig. 12E

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Fig. 10C

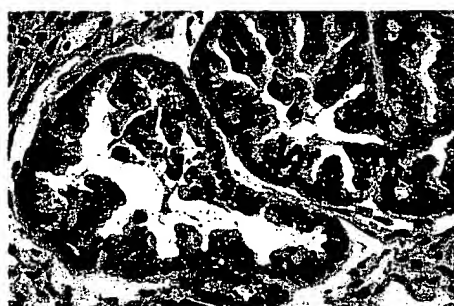


Fig. 10B



Fig. 10A





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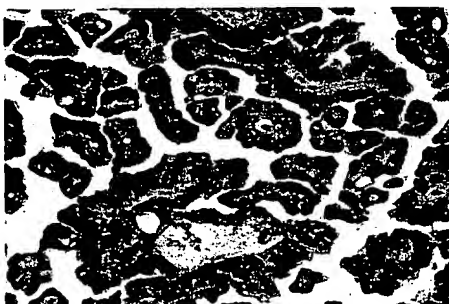


Fig. 10D

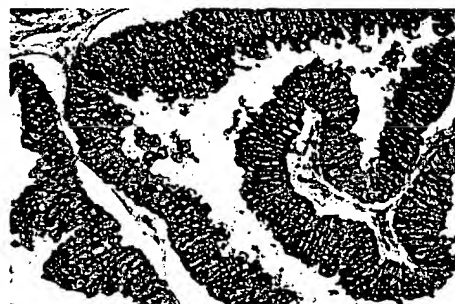


Fig. 10E

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Fig. 10C

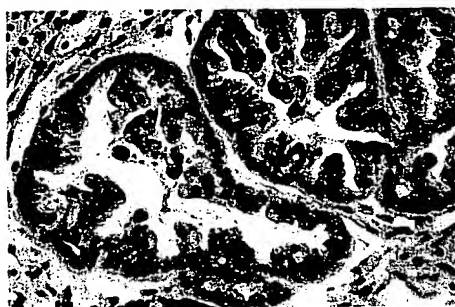


Fig. 10B



Fig. 10A





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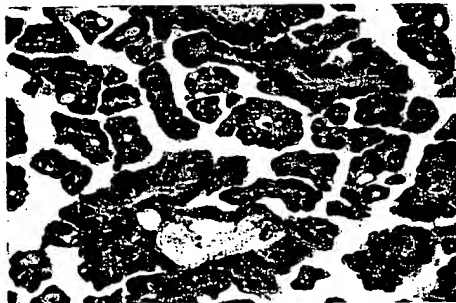


Fig. 10D



Fig. 10E